1	2	3	4
9	Gandhar CCPP (Stage-II), NTPC, Gujarat	1300	Under bidding process. MOE & F clearance awaited. Firm Tie-up of gas awaited.
10	Koel Karo HEP, NHPC, Bihar	710	The project could not be started due to local resistance regarding rehabilitation, land acquisition and paucity of funds.
11	Teesta HEP (Stage-V), NHPC, Sikkim	510	Project under execution.
12	Koldam HEP (Stage-V), NTPC, Himachal Pradesh	800	Project under execution.
13	Parvati HEP (Stage-II), NHPC, Himachal Pradesh	800	Project under execution.

Review of the Electricity Act, 2003

3670. SHRI SUDARSHAN AKARAPU: Will the Minister of POWER be pleased to state:

(a) whether Government propose to review the Electricity Act, 2003;

(b) if so, the reasons therefor;

(c) the details of proposed amendments to the Act; and

(d) the time-frame by when the Bill amending the Act would be brought before Parliament?

THE MINISTER OF POWER (SHRI P.M. SAYEED): (a) to (d) The National Common Minimum Programme of the Government states that "the review of the Electricity Act, 2003 will be undertaken in view of the concern expressed by a number of States."

The experience of the working of the Electricity Act, 2003 is being reviewed and this exercise is in progress.

Harnessing the waste flowing river waters to generate power

3671. SHRI T.T.V. DHINAKARAN: Will the Minister of POWER be pleased to state:

(a) the details of potential/untapped sources of hydel power in the country;

(b) whether Government are aware that hydel power could be generated by harnessing the waste flowing river waters in some regions of the country;

(c) if so, the rivers/falls where hydel power generation is possible after harnessing water; and

(d) whether Government propose to take steps to harness these river waters to generate energy at affordable cost?

THE MINISTER OF POWER (SHRI P.M. SAYEED): (a) to (c)The re-assessment studies of hydro-electric potential of the country, completed by Central Electricity Authority in 1987, have placed the economically exploitable hydro power potential at about 84,044 MW at 60% load factor. When fully developed, it would result into an aggregate installed capacity of about 1,48,701 MW. A total of 845 hydro-electric schemes have been identified in various basins. So far, 28,196 MW of potential has been exploited and 13,978 MW of hydro power is under development. Status of river basin-wise hydro-electric potential in the country in terms of potential at 60% load factor is given in the Statement (*See* below).

(d) The Central Electricity Authority (CEA) had conducted Ranking Studies in 2001-02 in whcih 399 schemes aggregating to an installed capacity of 1,06,910 MW were prioritized on the basis of weightage criteria of various aspects involved in the development of hydro schemes. Base on the Ranking Studies, 50,000 MW Hydroelectric Initiative was launched by Government of India during 2003-04 under which Pre-Feasibility Reports (PFRs) of 162 schemes located in 16 States have been prepared. Based on Preliminary analysis, 78 schemes aggregating to an installed capacity of 34,020 MW, whose first year tariff works out at Rs. 2.50/KwH or below, have been identified for taking up detailed Survey and Investigation and preparation of Detailed Project Reports (DPRs). This exercise would provide a shelf of bankable DPRs for Development of Hydroelectric schemes which would yield benefits during 11th Plan period and beyond.

In addition to above, the Government has taken the following steps to harness the untapped hydro potential:

i) A Hydro Policy was announced by the Government in August, 1998 incorporating several steps and measures to facilitate accelerated development of hydro power. The Policy also encourages greater participation by private sector.

ii) A number of Hydro Power Corporations in the Central Sector and Joint Ventures with State Governments have been created for development of hydro power;

iii) The Government has also approved a Three-Stage Clearance procedure for expeditious execution of hydro electric projects in

the Central Sector. Other procedural reforms have also been undertaken.

iv) To meet the all India peak demand and energy requirement at the end of 11th Plan, based on the demand projections as per 16th Electric Power Survey (EPS), advance action has been taken to identify hydroelectric schemes for inclusion for benefits in the 11th Plan period.

Statement

River Basin-wise status of H.E.Pontential Development at 60% Load Factor

(As on 1.4.2005)

River Basin	Potential Asse-ssed Potential (MW)	Potential Deve-loped (MW)	% Deve-loped	Potential under Deve-lopment (MW)	% under develop-ment	% Develo-ped + under deveop-ment	Balance Potential %
Indus	19988.00	3730.85	18.67	1556.22	7.79	26.45	73.55
Ganga	10715.00	1901.25	17.74	1366.72	12.76	30.50	69.50
Central Indian Rivers	2740.00	1059.85	38.68	1147.12	41.87	80.55	19.45
West Flowing Rivers	6149.00	3704.17	60.24	40.53	0.66	60.90	39.10
East Flowing Rivers	9532.00	4167.73	43.72	144.12	1.51	45.24	54.76
Brahmaputra Basin	34920.00	660.83	1.89	1084.60	3.11	5.00	95.00
ALL INDIA	84044.00	15224.68	18.12	5339.30	6.35	24.47	75.53

Financial Assistance for Power Sub-Station in Kerala

3672. SHRI N.K. PREMACHANDRAN: Will the Minister of POWER be pleased to state:

(a) whether any proposal received from Government of Kerala to extend financial assistance for the construction of power sub-station and if so, the details thereof; and

(b) whether Government initiated any steps to accord sanction for the implementation of the above project so far and if not, whether Government consider to accord sanction sought for?

THE MINISTER OF POWER (SHRI P.M. SAYEED): (a) and (b) The "Rajiv Gandhi Grameen Vidyutikaran Yojana Scheme for Rural Electricity